Our Mission & Vision

Our Mission:
Our mission is to be the first choice provider of smart, innovative and safe formwork systems by nurturing long-lasting partnerships and delighting our customers with our innovation and passion.

To achieve this, we seek to leverage on new technologies to give us scale advantages and strive to achieve exceptional performance that exceeds our customers’ expectations.

Our Vision:
To be a global leader in innovative professional formwork solutions; the next generation formwork provider.

About Nuform System Asia Pte Ltd

Nuform System Asia Pte Ltd is a leading and established manufacturer and provider of system formwork in Singapore.

Founded and helmed by our Managing Director, Mr Derrick Ng, who has more than 30 years of experience in the industry, we have grown from strength to strength, servicing numerous clients from both the public and private sectors in a wide variety of projects.

It is our priority at Nuform to am our clients with the competitive edge. We do so by providing our clients with safe, innovative and efficient system formwork solutions in the construction of their projects.

We strive to continue our growth through the expansion of our production facilities in Singapore and venturing abroad to exploit overseas market.

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The NFAC system is a hydraulically operated self-climbing formwork system used for the high-rise concrete structures such as building core walls.

The NFAC has been used successfully on over 20 projects in Singapore within short period of time including the HDB, private housing as well as hotel projects.

The NFAC system is the latest development for any size of core walls and it is one of the most widespread system among the big contractors in Singapore.

The NFAC is a demanding improvement over conventional jump formwork in terms of productivity and safety.
NFAC System

Introduction:
NFAC system is the fastest and safest self climbing system in the market. It is fully controlled by a unit of heavy duty hydraulic system consisting of power pack and high capacity long stroke hydraulic rams; the entire system is lifted smoothly simultaneous as one unit without any crane support which mean saving of crane time and reduction of operation involved in crane control system. A full lift can be accomplished in max. 1 ~ 2 hours time.

NFAC System

Features:
- Guide wheels, fixed to support beams and forms, provide additional stability during climbing operations. Full verticality is therefore assured throughout the climbing and forming operations.

Technical Services:
Nuform teams are available to advice, assist and train the contractor in the assembly and operation of NFAC system.

Spacious Work Deck:
The upper gridwork level provides a clean and spacious work deck for material landing and concrete placement. The high cladding barricade around the perimeter of the system ensures the safety of workers.

Loading Limits:
NFAC system steel components manufacturing calculations are in accordance with DIN standards. Platform loading are based on the Singapore or British scaffolding standards. Materials used comply with international standards. Platform capacities are limited as described in the relevant user manuals for the particular job.

System Benefits:
- Flexible and versatile for all types of core walls in the construction of high-rise buildings
- Crane independent and accelerates the production
- The concrete placing boom can be integrated with the system and simultaneously lifted
- Very fast construction step, hydraulic climbing is superior performance compared to conventional climbing with crane.
- Operational even under adverse weather condition
- Fully enclosed & provides a safe working environment at any height
- Adaptable to complex core wall geometries
- High load capacity
- Climbs smoothly as a one unit
- No time consume for dismantling and re-assembling
- Less man power required to operate the system
- The system design provides advantages for concreters, steel fixers, lift installers and M&E service installers.
- After initial training, the system can be operated by the experienced form workers and skilled labours.
- Adjustment to wall thickness, drop of wall and wall profile changes are considered during initial design stage to reduce the loss of construction time.
- The NFAC system consists of a hydraulic unit capable of lifting the system, including the entire working platforms as well as a concrete placing boom and formwork from lift to lift.
- A concrete placing boom can be integrated into the formwork and raised with the system.
- The NFAC system is chosen for the construction of the core walls because of their ability to provide efficiency, safety and a fast cycle time with superior architectural concrete finish.

Hydraulic system:
The hydraulic power unit operates up to 14 rams simultaneously. The working load of each rams can be controlled by separately. Therefore large formwork sets can be easily lifted.

System support:
The system consists of Support and Jacking beams supported by pockets on the concrete walls. During climbing the system is pushed by the Jacking beams supported by the concrete that has already set in a previous pour. Therefore system can be lifted the day after pouring and the core to cycle independently from the slab.

Wall form work:
The system allows the external formwork to be hung from the main grid work, which allows the operator to roll the formworks away from core walls, while closing and stripping. It allows a parallel access for placement of rebar and penetrations.
Nuform Climbing Wall Formwork System (NFCB)

- Nuform Climbing wall formwork system is simple to use which comes with a standard sizes of form panels. This gives easy identification, little storage space, fast and easy assembly.
- It offers 75% savings in erection time with a detail shop drawing in addition.
- Alum Beam is rigid and stable in “I” beam shapes, it can be nail able and does not split even under extreme climatic conditions. It is securely fastened to Waler by using the Bolt, Flat Washer and Nut and no nailing required.
- It provides an excellent fair face concrete surface.

Highly cost effective system choice for any high rise construction.

- Fast, accurate adjustment of the form work panels.
- You can adjust the formwork panels horizontally and vertically.
- The formwork panel is supported by adjustment spindles during final positioning. They are attached to the vertical waler.

Safe Suspension at any height

- Nuform Climbing Wall formwork system has designed to withstand high concrete pressure.
- It can be casted in 5m height in one-go.
- An adjustable Push-pull Prop provides fast and easy alignment.
- NuForm Formwork System can be used for a wide range of applications for all projects, anytime and anywhere. There is no idling of stocks and capital constraint, you’ll enjoy minimum investments with maximum returns.
- Less components with standard fixtures comes with the higher flexibility to adapt to form any shape of the structure will give the perfect wall climbing solution never before.
- This is used cast-in stop anchors to create the anchor points for climbing cones.
- The permissible transverse force at a concrete strength of 10 N/mm².
- Safe Suspension at any height
- Nuform Climbing wall form confirms its high reliability & competency

Simplicity of the system made things easier
Nuform Wall Formwork System (NFWF)

Introduction:
Nuform wall formwork is a flexible system suitable for a wide variety of applications, so it gives you ideal scope for adapting the shapes and sizes of the elements to suit your structure. It consists of vertical Aluminum beams with primary horizontal walers.

System Benefits:
- Economical-cut material costs by number of repeat uses
- Time and space saving at the site
- Easy handling of formwork
- It comes with large panels therefore minimize the crane time
- Large panel minimizes panel joints and thus gives a better concretes finishing
- Quick assemble and disassembly
- Suitable for construction of retaining walls with any shape and height can be formed
- Flexible for form tie arrangement

Nuform Column Formwork System (NFCL)

Introduction:
The NFCL system consists of vertical Aluminum beams 200H and horizontal steel walers WS12.5. Through the corner connecting plate non-tied column cross-sections of up to 1200 mm x 1200mm are possible.

System Benefits:
- Any rectangular column dimension is possible
- Highly economical, standard components can be used for any size of column, fast & easy assembly on the site
- Compatible with vertical ladder access and concrete pouring platform
- The column formwork has been designed for the permissible fresh concrete pressure of 60kN/m2 ~ 90kN/m2 allows fast concreting.
- The column formwork unit can be lifted as a one unit, including push pull props, concrete pouring platform and access ladder
- The NFCL system is suitable for rectangular cross sections, large column heights, many formwork re-use cycles, good concrete finish and as well as economical
- The quick and easy adjustment of the cross section and height with the least possible number of system components is an important criterion for the adaptability of a column formwork.

The NFCL is safe and compatible.
**Nuform One Sided Wall Formwork System (NFOWF)**

**Introduction:**
One sided formwork with supporting construction frames can be successfully used where it is not possible to place a form tie through the formwork elements to tie them to the opposing formwork.

**Supporting Construction Frame:**
- The supporting construction frame is easily fixed with wallform.
- The frames are braced with scaffolding pipes and anchored to hardened concrete to keep the wall form vertically.
- The tensile forces are reliably transferred by means of diagonal anchors.
- This system can be ganged for crane handling.
- By adjusting the spacing between supporting frames the different concrete pressures can be managed easily and economically.

**Pouring Height:**
- Using supporting construction frame can be poured up to 4.0 ~ 8.0m with additional extension due to the increase of different concrete pressure.

**The Heavy-Duty System highly adaptable for one sided Retaining walls.**

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**Nuform Flying Truss Table Formwork System (NFTT)**

- Nuform Truss Table formwork is a lightweight Aluminum Flying form System can be easily handled by Crane as one piece and maximize the productivity as it assembled in to large panel of table form.
- Suitable for Residential development, Commercial & industrial projects with different configuration of floor slab & Beam.
- The depth of the Table Truss can be adjusted to variable sizes and make up adjustment using extensions at both top & bottom.
- The length of the Table Truss is flexible and can be extended to required length to suit the concrete structure.
- Nuform truss table form can make up easily for forming of floor slab & beam, drop panels, cantilever balcony slabs together as one unit during operation.
- Horizontal and Vertical bracing will provide rigid formwork modules of the trusses.

**New version of horizontal truss table form is adaptable for future construction.**

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Boathouse Residences, Nakano (S) Pte. Ltd.

Boathouse Residences, Nakano (S) Pte. Ltd.

Mapletree 18 at Tai Seng, Greatearth Corporation

Mapletree Business City (MBC 2), Shimizu Corporation Pte Ltd

Nordcom 1, TPS Construction Pte Ltd
Nuform Flying Truss Table Formwork System (NFTT)

- One time assembly as a unit with modular design & savings in set-up and stripping time compared with other table form systems.
- Consist of lightweight Aluminium components and the range of adjustment and handling accessories, this system gives the high performance needed for today’s high speed construction methods.
- Truss table form System is supported and levelled by trolley jacks to ease stripping & moving the table as one unit. These remain attached to the bottom of the truss and are hinged up out of the way during flying operations. Specially designed glides enable the entire flying form table to be easily rolled out of the bay by only few workers.

All the erection & stripping works of the table are fast & easy to handle.

Assemble only once, re-use until the roof level.
The NFSS system is an advanced technology for the construction of building perimeter. The development of perimeter hydraulic climbing system has the potential to increase the speed of floor construction and also significantly reduce crane usage.

The NFSS system is also mainly used in the construction of post-tensioned slabs with stressing cables protruding through the outer face of the edge beam.

The NFSS system has effectively replaced the conventional method of scaffolding in high-rise construction.

The NFSS hydraulic lifting system is once installed on the perimeter, crane is not required to climb from floor to floor. The profile changes in the building are pre plan at the design stage and easily accommodated with the system.

Nuform Perimeter Safety Screen (NFSS)

The NFSS is the right technology for your high rise project.

Introduction:
NFSS system is now an essential item in the high rise construction to protect all people involved in the activities of formwork, steel fixing and concreting, as well as people working below those areas. The NFSS system usually cover 3 floors of the building perimeter. The purpose is to protect personnel involved in the construction activities, as well as to prevent any material or debris from falling into work area or public place below.

System Benefits:
- Increase the safety for construction workers and other personnel requiring site access.
- Construction times and labour costs are reduced because it alleviates the need for access scaffolding. There are working platforms which extends beyond the slab edge.
- Same time construct of perimeter structural elements
- Full perimeter protection with three floors including construction floor
Nuform NF7K & NF11K Shoring Frame System (NF7K & NF11K)

- Nuform NF7K Shoring System offers more erection, stripping and financial satisfaction than conventional shoring systems. Nuform NF7K Shoring System begins with rigid modular construction that enhances handling. The sharply honed NF7K aluminium Shoring modules with its extensions, couplers & cross bracings puts you in control and helps to ensure confident erection and ease of stripping, while whole system remains strong & light weight. These advantages result in a higher rate of production.
- The NF7K shoring system is designed to withstand heavy loads. The standard NF7K Modular Shoring frame comes with various sizes to suit floor heights & space. NF7K shoring can accommodate drop bands, drop heads and its design allows for all interruptions.
- NF7K shoring minimizes the number of components required for the erection process.

High shoring & Shoring table to enable higher adaptability for the structure.

Ultimate capacity will bring you with rigidity for heavy shoring.

Light weight frame modules are easy to handle.

- NF7K shoring system with engineered extensions & accessories for modules provide job safety with a rigid interlocking system that prevents tipping during erection & dismantle. It is to shore any practical height with required bracings without reduce the load capacity.
- All the exposed edges are protected with NF7K safety guard railing comes together attached with the system form ensures a safer working platform.

Ace at Jalan Buroh, OKH Holdings

Oxley Biz Hub, Sanchoon Builders Pte Ltd

Sengkang General Hospital, Penta-Ocean Construction Pte Ltd

Tampines Industrial Drive, Lim Wen Heng Construction Pte. Ltd.

Nordcom 2, Chan Rong Fen Construction Pte Ltd
Introduction:
The Aluminium formwork system is made of lightweight Aluminum which allows the largest components to be hand carried and set-up. Even it doesn’t need skilled workers due to the elaborate design provided to make sure that our clients success must be achieved.

Use For:
- Construction of the Slab & beams
- Shear walls
- Staircase walls & steps

System Benefits:
- No crane is required
- Able to pour walls and floor slabs with beams with one operation
- No skilled labor required
- Able to form all concrete elements
- Environmentally friendly – no huge debris, no messy disposals
- Can be combined with precast elements, specially in HDB projects

In Terms of Safety:
- No need to remove props and prop heads when dismantling the slab panels
- Maximum weight of the panel is 35kg
- Can maintain good house keeping

Nuform Aluminum Panels Formwork System (NFAF)

Nuform Formwork Specialist for your construction projects

Public Housing Development Project

Industrial Development Project

Sky Habitat, Shimizu Corporation

Gem Residences, Greatearth Corporation

Nuform Formwork Specialist
for your construction projects

HDB-Park Land Residences, Low Keng Huat (S) Pte. ltd.

HDB-Sky Peak @ Bukit Batok, Ho Lee Construction Pte Ltd

TPS Construction Pte Ltd

HDB-Sky Peak @ Bukit Batok, Ho Lee Construction Pte Ltd

Nordcom 1, TPS Construction Pte Ltd

Sky Habitat, Shimizu Corporation

Gem Residences, Greatearth Corporation
Nuform Formwork Specialist for your construction projects

Condominium / Executive Condominium Development Projects

Gem Residences, Greatearth Corporation

Symphony Suites, Evan Lim & Co Pte Ltd

Commercial / Retail Development Projects

Mapletree Business City (MBC 2), Shimizu Corporation

Park Hotel Alexandra, Keong Hong Construction Pte Ltd